

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(spacer adj grid).clm. and (inner interior inside core central) near4 (strip stripe plate).clm. and ((guide tube tubular) near4 cells).clm. and (fuel adj (rod element pin) near4 cells).clm. and (mixing mix) near4 (blade vane).clm. and (intermediate side) near4 (strip stripe plate).clm. and (corner near4 (strip stripe plate)).clm. and (perimeter near4 (strips stripe plate)).clm. and (grid near1 spring).clm. and (opening aperture hole) near20 (stud support).clm. and (bottom "lower" "lowest") near4 (border edge rim).clm. and (top "upper" "uppermost") near4 (border edge rim).clm. and (fuel adj (rod element pin) near4 (stud support)).clm. and (bending bend bent).clm. and (conform conformal conformally equiangular) near4 (surface contact interface).clm.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 12:19
L3	668	(376/442).CCLS.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/12 12:24
L4	756	(376/438,441).CCLS.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/12 12:35
L5	599	4 not 3	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 12:35

L6	771	spacer and grid and (conformal conformally conform equiangular) and (corrosion corroding fret fretting)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 12:46
L7	44	spacer near4 grid and (conformal conformally conform equiangular) and (corrosion corroding fret fretting)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 12:47
L8	2	("20030012329").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/12 13:00
L9	5	G21C3/356.ipc.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:06
L10	19	(yoon near2 kyung-ho).in. (kang near2 heung-seok).in. (kim near2 hyung-kyu).in. (song near2 kee-nam).in. (jung near2 yeon-ho).in. (chun near2 tae-hyun).in. (oh near2 dong-seok).in. (in near2 wang-kee).in.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:16
L11	206	(kaeri korea adj atomic adj energy adj research adj institute).as.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:17

L12	217	10 11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:18
L13	5605	@pd= "20100422"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:56
L14	4	13 and "376"/\$7.ccor.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:57
L15	8389	@pd= "20100506"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:58
L16	2	15 and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 13:58
L17	38	"376"/\$7.ccls. and @pd> "20100101"	USPAT	OR	ON	2010/05/12 13:59
L18	21	"376"/\$7.ccor. and @pd> "20100101"	USPAT	OR	ON	2010/05/12 14:00

L19	2	("6707872").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/12 14:32
L20	2	("20030012329").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/12 14:34
L21	3	19 20	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/12 15:30
S1	4	((("4224107") or ("6393087"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 09:19
S2	0	("773733.ap.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 15:28
S3	5	"773733".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:01
S4	2	("6542567").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:03

S5	6	((("6236702") or ("5139736") or ("4396573"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:03
S6	6	(US-6236702-\$ or US-5139736-\$ or US-4396573-\$).did. or (KR-99069102-\$ or US-5139736-\$ or EP-25395-\$).did.	USPAT; DERWENT	OR	OFF	2005/12/09 16:05
S7	0	wo-94025965\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:24
S8	1	wo-9425965\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:24
S9	6	((("6236702") or ("5139736") or ("4396573"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:28
S10	24	((("4,224,107") or ("6,393,087") or ("6,542,567") or ("5,303,276") or ("6,526,116") or ("4,879,090") or ("4,683,115") or ("4,666,663") or ("4,705,663") or ("5,666,389") or ("5,139,736") or ("6,167,105"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/09 16:32
S11	2	("6393087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/10 22:30
S12	2	S11 and (grid spring)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/10 22:31

S13	0	S11 and (grid adj spring)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/10 22:30
S14	1	S11 and (grid near3 spring)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/10 22:31
S15	1	"20050105677".pn. and "125"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 11:52
S16	2	"6393087".pn. and (rod pin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:23
S17	2	"6393087".pn. and (coolant flow vane guide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:25
S18	2	"6393087".pn. and (coolant flow vane guide tap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:26
S19	0	"6393087".pn. and (tap)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:32

S20	0	"6393087".pn. and ("33")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:33
S21	0	"6393087".pn. and (switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:33
S22	0	"6393087".pn. and (regulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 10:33
S23	1	"20050105677".pn. and taper\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 12:00
S24	0	"20050105677".pn. and (inner adj grid adj spring)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 12:01
S25	2	"20050105677".pn. and (spring)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 12:29
S26	2	"20050105677".pn. and (bent bend\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 12:48

S27	2	("5303276").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 12:48
S28	24	(US-6393087-\$ or US-4224107-\$ or US-5139736-\$ or US-5303276-\$ or US-6526116-\$ or US-6167105-\$ or US-5666389-\$ or US-4666663-\$ or US-4879090-\$ or US-4705663-\$ or US-4683115-\$).did. or (KR-2001001422-\$ or BE-850191-\$ or WO-9903108-\$ or US-5139736-\$ or EP-696377-\$ or GB-2272101-\$ or KR-99052336-\$ or WO-9901873-\$ or DE-4438493-\$ or DE-3334974-\$ or EP-304724-\$ or EP-184064-\$ or DE-3330850-\$).did.	USPAT; DERWENT	OR	OFF	2005/12/11 14:00
S29	0	("(roundrounded)and2").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 14:00
S30	6	(round rounded) and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 14:00
S31	1196	((376/441) or (376/439) or (376/442) or (376/443) or (376/444) or (376/462)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 15:50
S32	2	S31 and (round rounded) near3 (vane tap protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 14:57
S33	2	("4683115").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 14:57



S34	2	("4705663").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/11 14:58
S35	4	((("4683115") or ("4705663"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/30 16:32
S36	5	"773733".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/30 16:56
S42	6	((("20030209723") or ("6693302") or ("5889295"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 14:18
S44	2	("20050105677").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 14:21
S45	2	("6393087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 08:23
S46	32	(US-20050105677-\$ or US-20050062134-\$ or US-20050087758-\$). did. or (US-6393087-\$ or US-4224107-\$ or US-6236702-\$ or US- 6542567-\$ or US-5139736-\$ or US-4396573-\$ or US-6526116-\$ or US-5666389-\$ or US-6167105-\$ or US-4683115-\$ or US-5303276-\$ or US-4879090-\$ or US-4705663-\$ or US-4666663-\$).did. or (KR- 2001001422-\$ or BE-850191-\$ or WO-9903108-\$ or KR-99069102-\$ or US-5139736-\$ or EP-25395-\$ or EP-696377-\$ or WO-9901873-\$ or KR-99052336-\$ or GB-2272101-\$ or DE-4438493-\$ or DE- 3334974-\$ or EP-304724-\$ or DE-3330850-\$ or EP-184064-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/08/30 14:21

S47	17	support\$4 near4 (fuel adj rod) and S46	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/30 14:24
S48	14	support\$4 near4 (fuel adj rod) and (compartment cell) and S46	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/30 14:57
S49	10	S48 and (bent bend\$3)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/30 15:03
S50	669	((376/441) or (376/442)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 15:04
S51	481	S50 and @ad< "20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 15:04
S52	2	("5303276").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 18:47
S53	2	("6526116").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 18:47
S54	1	conformal and "773733".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 09:20
S55	1	(US-20050105677-\$).did.	US-PGPUB	OR	OFF	2006/08/31 10:20
S56	1	S55 and "41"	US-PGPUB	OR	OFF	2006/08/31 16:17

S57	125	contact adj spring and spring adj (strength constant)	US-PGPUB	OR	OFF	2006/08/31 16:18
S58	558	contact adj spring and spring adj (strength constant)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 16:18
S59	4	contact adj spring and spring adj (strength constant) and "376"/\$7.ccls. and nuclear adj fuel adj rod	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:20
S60	0	contact adj spring with (spring adj (strength constant)) same peripher\$2 and "376"/\$7.ccls. and nuclear adj fuel adj rod	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:21
S61	0	contact adj spring with (spring adj (strength constant)) same (outer inner peripher\$2) and "376"/\$7.ccls. and nuclear adj fuel adj rod	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:22
S62	0	contact adj spring with (spring adj (strength constant)) same (outside inside outer inner peripher\$2) and "376"/\$7.ccls. and nuclear adj fuel adj rod	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:22
S63	0	contact adj spring with (spring adj (strength constant)) same (outside inside outer inner peripher\$2) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:23

S64	2	spacer adj grid with (spring adj (strength constant)) same (outside inside outer inner peripher\$2) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:24
S65	6	spacer adj grid with (spring adj (strength constant)) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:25
S66	7	(contact adj spring spacer adj grid) with (spring adj (strength constant)) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:29
S67	0	(contact adj spring spacer adj grid) with (outside inside) with (stronger weaker) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:30
S68	0	(contact adj spring spacer adj grid spring adj constant) with (outside inside) with (stronger weaker) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:39
S69	0	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 internal outside inside) with (stronger weaker) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:41

S70	116	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 internal outside inside) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:41
S71	138	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 outside outer) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:42
S72	38	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 outside outer) with (interior inside inner) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:42
S73	0	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 outside outer) with (interior inside inner) with (strenght stronger weaker weak) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:43
S74	4	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 outside outer) with (interior inside inner) with (strenght stronger weaker weak) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:44
S75	38	(contact adj spring spacer adj grid spring adj constant) with (peripher\$2 outside outer) with (interior inside inner) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:46

S76	38	(contact adj spring spacer adj grid spring adj constant grid adj spring) with (peripher\$2 outside outer) with (interior inside inner) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 16:53
S77	103	spring adj (constant strength) and "376"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 17:17
S78	603	(376/442).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 17:26
S79	0	("24andspringnear1(strengthconstant").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/31 17:27
S80	25	S78 and (spring near1 (strength constant))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 17:35
S81	32	S78 and (spring near1 (strength constant stiffness))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 17:36
S82	11	S78 and (spring near1 (strength constant stiffness)).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 17:36

S83	68	(US-20050105677-\$ or US-20050087758-\$ or US-20050062134-\$ or US-20030215049-\$).did. or (US-5303276-\$ or US-6526116-\$ or US-4224107-\$ or US-6393087-\$ or US-6542567-\$ or US-6236702-\$ or US-4396573-\$ or US-5139736-\$ or US-4879090-\$ or US-6167105-\$ or US-5666389-\$ or US-4683115-\$ or US-4705663-\$ or US-4666663-\$ or US-5577081-\$ or US-5188798-\$ or US-5035853-\$ or US-5024807-\$ or US-4885127-\$ or US-5209899-\$ or US-6744843-\$ or US-6744842-\$ or US-6728329-\$ or US-6707872-\$ or US-6650723-\$ or US-6608881-\$).did. or (US-6522710-\$ or US-6519309-\$ or US-6421407-\$ or US-6400788-\$ or US-6272197-\$ or US-6144716-\$ or US-6088420-\$ or US-5875223-\$ or US-5740218-\$ or US-5638416-\$ or US-5625657-\$ or US-5546437-\$ or US-5493590-\$ or US-5444748-\$ or US-5440599-\$ or US-5434898-\$ or US-5420902-\$ or US-5371769-\$ or US-5367549-\$ or US-5363422-\$ or US-5361288-\$ or US-6310932-\$ or US-3886038-\$).did. or (GB-2272101-\$ or WO-9901873-\$ or KR-2001001422-\$ or BE-850191-\$ or WO-9903108-\$ or US-5139736-\$ or KR-99069102-\$ or EP-696377-\$ or EP-25395-\$ or KR-99052336-\$ or EP-184064-\$ or DE-4438493-\$ or DE-3334974-\$ or EP-304724-\$ or DE-3330850-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/08/31 17:39
S84	3	S83 and spring near2 (constant stiffness strength).cim.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 17:41
S85	15	S83 and spring near2 (constant stiffness strength)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 17:41
S86	17	S83 and spring near2 (strong\$3 constant stiffness strength)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 17:41
S87	17	S83 and spring near2 (weak\$3 strong\$3 constant stiffness strength)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 17:43
S88	0	spring near2 (weak\$3 strong\$3 constant stiffness strength) and spacer adj grid	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 17:43
S89	59	spring near2 (weak\$3 strong\$3 constant stiffness strength) and (grid adj spring spacer adj grid)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 18:57

S90	4	grid adj spring near6 (stiffness stiff stiffer)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/31 18:58
S91	0	edge near4 (fuel adj rod spring) and (376/338.ccls. 376/339.ccls. 376/340.ccls. 376/341.ccls. 376/342.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 07:55
S92	3	edge with (fuel adj rod spring) and (376/338.ccls. 376/339.ccls. 376/340.ccls. 376/341.ccls. 376/342.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 07:53
S93	374	(376/338.ccls. 376/339.ccls. 376/340.ccls. 376/341.ccls. 376/342.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 07:55
S94	108	S93 and (periphery peripheral edge outer exterior)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 07:56
S95	27	S93 and (periphery peripheral edge outer exterior) and spring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 07:57
S96	26	S93 and (periphery peripheral edge outer exterior) and spring and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 08:10
S97	3	S93 and (spacer adj grid) and spring and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 08:10



S98	10	S93 and (spacer adj grid fuel adj assembly fuel adj rod) and spring and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 08:12
S99	16	S93 and (spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and spring and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 10:02
S100	3904	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and spring and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 10:02
S101	259	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and spring near6 (constant stiffness strength) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 10:11
S102	211	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and spring near6 (constant stiffness strength) and @ad<"20040206" and nuclear	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 10:28
S103	176	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and spring near6 (constant stiffness strength) and @ad<"20040206" and nuclear and "376"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 11:27
S104	91	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and spring near6 (constant stiffness strength) and @ad<"20040206" and nuclear and "376"/\$7.ccls. and "34" and "38"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 11:44

S105	225	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and (spring near6 (constant stiffness strength) or resilience) and @ad<"20040206" and nuclear and "376"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 11:46
S106	119	(spacer adj grid fuel adj assembly fuel adj rod fuel adj element grid adj spring) and (spring near6 (constant stiffness strength) or resilience) and @ad<"20040206" and nuclear and ("376"/33\$1.ccls. 376/44\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 11:46
S107	114	((resilience stiffness strength constant) near6 spring and (376/43\$1.ccls. 376/44\$1.ccls.) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 17:38
S108	90	((resilience stiffness strength constant) near4 spring and (376/43\$1.ccls. 376/44\$1.ccls.) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 17:39
S109	21	((resilience stiffness strength constant) near4 spring.ti.ab.dm. and (376/43\$1.ccls. 376/44\$1.ccls.) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 17:48
S110	24	((resilience stiffness strength constant) near6 spring.ti.ab.dm. and (376/43\$1.ccls. 376/44\$1.ccls.) and @ad<"20040206"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 17:48
S111	3	((resilience stiffness strength constant) near6 spring.ti.ab.dm. and (376/43\$1.ccls. 376/44\$1.ccls.) and @ad<"20040206") not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 20:15

S112	2	"5303276".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 20:59
S113	2	("6,526,116").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/01 20:59
S114	50	(376/33\$1.ccls. 376/44\$1.ccls.) and swirl\$3 same vane	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:04
S115	1	(US-20050105677-\$).did.	US-PGPUB	OR	OFF	2006/09/01 21:16
S116	1	(US-20050105677-\$).did. and guide near20 center	US-PGPUB	OR	OFF	2006/09/01 21:18
S117	2	(US-20050105677-\$).did. and guide adj tube	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:18
S118	502	guide adj tube and (376/43\$1.ccls. 376/44\$1.ccls.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:19
S119	5	guide adj tube near4 (vane tap) and (376/43\$1.ccls. 376/44\$1.ccls.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:30

S120	28	guide near4 (vane tap) and (376/43\$1.cds. 376/44\$1.cds.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:43
S121	290	(dimple guide near4 (vane tap)) and (376/43\$1.cds. 376/44\$1.cds.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:43
S122	8	(dimple guide near4 (vane tap)) near10 swirl\$3 and (376/43\$1.cds. 376/44\$1.cds.)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:54
S123	1	guide adj tap and yoon.in.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 21:55
S124	35	(guide adj tap dimple) and yoon.in.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 22:20
S125	1	(US-20050105677-\$).did.	US-PGPUB	OR	OFF	2006/09/01 22:14
S126	1	S125 and guide adj tap and (bend bending bent) and (center centre)	US-PGPUB	OR	ON	2006/09/01 22:15

S127	22	(bent near10 center) and yoon.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 22:20
S128	4	(bent near10 center near10 (spacer adj grid)) and yoon.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 22:21
S129	72	(US-20050105677-\$ or US-20050087758-\$ or US-20050082134-\$ or US-20030215049-\$).did. or (US-6393087-\$ or US-4224107-\$ or US-6542567-\$ or US-6236702-\$ or US-5139736-\$ or US-4396573-\$ or US-6526116-\$ or US-5666389-\$ or US-6167105-\$ or US-5303276-\$ or US-4705663-\$ or US-4879090-\$ or US-4666663-\$ or US-4683115-\$ or US-6744843-\$ or US-6744842-\$ or US-6728329-\$ or US-6707872-\$ or US-6650723-\$ or US-6522710-\$ or US-6421407-\$ or US-6310932-\$ or US-6088420-\$ or US-5875223-\$ or US-6808881-\$ or US-5740218-\$).did. or (US-6519309-\$ or US-6400788-\$ or US-5638416-\$ or US-5625657-\$ or US-5577081-\$ or US-6272197-\$ or US-5546437-\$ or US-6144716-\$ or US-5493590-\$ or US-5444748-\$ or US-5434898-\$ or US-5420902-\$ or US-5371769-\$ or US-5367549-\$ or US-5440599-\$ or US-5209899-\$ or US-5363422-\$ or US-5361288-\$ or US-5188798-\$ or US-5024807-\$ or US-5035853-\$ or US-4885127-\$ or US-4489038-\$ or US-4135972-\$ or US-3886038-\$ or US-6845138-\$ or US-3787286-\$).did. or (BE-850191-\$ or KR-2001001422-\$ or WO-9903108-\$ or KR-99069102-\$ or US-5139736-\$ or EP-25395-\$ or EP-696377-\$ or DE-4438493-\$ or KR-99052336-\$ or WO-9901873-\$ or GB-2272101-\$ or EP-304724-\$ or EP-184064-\$ or DE-3334974-\$ or DE-3330850-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/09/01 23:30
S130	3	S129 and spring adj constant	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/09/01 23:32
S131	0	S129 and "each" near5 spring	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/09/01 23:33

S132	0	S129 and "each" near5 spring	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/01 23:33
S133	4	inner near6 outer near6 cell and 376/442.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 00:05
S134	6	inner near6 outer and spring near4 (constant stiffness strength) and 376/442.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 00:12
S135	33	spring near2 (constant stiffness strength) and 376/442.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 00:12
S136	14	spring near1 (constant stiffness strength) with (peripheral\$2 outer inner inside outside) and "376"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 08:00
S137	4	spring near1 (constant stiffness strength) with edge and "376"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 08:01
S138	1	(US-20050105677-\$).did.	US-PGPUB	OR	OFF	2006/09/02 09:16
S139	1	S138 and guide adj tap	US-PGPUB	OR	ON	2006/09/02 09:59
S140	1	(376/43\$1.ccls. 376/44\$1.ccls.) and zircaloy with spring near1 (constant strenth stiffness stiff)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 10:02

S141	48	(376/43\$1.ccls. 376/44\$1.ccls.) and spring near1 (constant strenth stiffness stiff)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 11:10
S142	2	"376"/\$7.ccls. and spring near1 (constant strenth stiffness stiff) with (zircaloy zirconium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 11:13
S143	128	"376"/\$7.ccls. and spring with (zircaloy zirconium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 11:13
S144	25	(US-5666389-\$ or US-5139736-\$ or US-6393087-\$ or US-4224107-\$ or US-6542567-\$ or US-6526116-\$ or US-5303276-\$ or US-4879090-\$ or US-4683115-\$ or US-6167105-\$ or US-4705663-\$ or US-4666663-\$).did. or (KR-2001001422-\$ or BE-850191-\$ or US-5139736-\$ or WO-9903108-\$ or EP-696377-\$ or KR-99052336-\$ or DE-4438493-\$ or GB-2272101-\$ or EP-304724-\$ or DE-3334974-\$ or DE-3330850-\$ or WO-9901873-\$ or EP-184064-\$).did.	USPAT; DERWENT	OR	OFF	2006/09/02 11:19
S145	6	S144 and zircaloy	USPAT; DERWENT	OR	OFF	2006/09/02 11:21
S146	6	S144 and zircaloy and spring	USPAT; DERWENT	OR	ON	2006/09/02 12:01
S147	1	S144 and zircaloy with (neutron adj flux)	USPAT; DERWENT	OR	ON	2006/09/02 12:02
S148	1	S144 and zircaloy with (neutron adj (damage flux))	USPAT; DERWENT	OR	ON	2006/09/02 12:02
S149	1	S144 and zircaloy with (neutron adj (irradiation damage flux))	USPAT; DERWENT	OR	ON	2006/09/02 12:02
S150	4	S144 and zircaloy with (neutron)	USPAT; DERWENT	OR	ON	2006/09/02 12:10

S151	0	S144 and zircaloy with (neutron) with inconel	USPAT; DERWENT	OR	ON	2006/09/02 12:10
S152	2	S144 and zircaloy with (neutron) same inconel	USPAT; DERWENT	OR	ON	2006/09/02 13:49
S153	1406	((376/338) or (376/339) or (376/340) or (376/441) or (376/442) or (376/443) or (376/444) or (376/462)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 13:50
S154	9	S153 and spring and grid and conformal\$2 and (interior exterior edge inner inside outside peripheral periphery peripherally corner)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 13:51
S155	9	S153 and spring and grid and conformal\$2 and (interior exterior edge inner inside outside peripheral periphery peripherally corner)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 13:51
S156	2	"6393087".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 12:38
S157	1	(US-20050105677-\$).did.	US-PGPUB	OR	OFF	2007/05/12 12:41
S158	1	(US-20050105677-\$).did. and equiangular	US-PGPUB	OR	OFF	2007/05/12 13:57
S159	2	("4224107").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 14:39
S160	2	("6542567").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 14:43



S161	2	("6542567").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 15:45
S162	2594	((376/434) or (376/435) or (376/436) or (376/437) or (376/438) or (376/439) or (376/440) or (376/441) or (376/442) or (376/443) or (376/444) or (376/462)).CCL.S.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 15:51
S163	40	S162 and spacer adj grid and fuel adj rod and guide\$3 adj tube and spring and mixing near1 (blade vane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 15:54
S164	1	((yoon near1 kyung-ho).in. (kang near1 heung-seok).in. (kim near1 hyung-kyu).in. (song near1 kee-nam).in. (jung near1 yeon-ho).in. (chun near1 tae-hyun).in. (oh near1 dong-seok).in. (in near1 wang-kee).in. kaeri.as.) and spacer adj grid.clm. and fuel adj rod.clm. and guide\$3 adj tube.clm. and (elastic\$4 spring).clm. and (mixing near3 (blade vane)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 16:00
S165	0	("9393087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/22 09:25
S166	2	("6393087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/22 09:52
S167	0	("3andrest").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/22 09:52

S168	0	S166 and rest	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/22 10:16
S169	28	"4224107"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/22 10:17
S170	2	"4224107".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/22 10:17
S171	2	("6393087").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/01 22:40
S172	2	("4224107").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/01 23:27
S173	0	("steelnear10zircaloynear10neutronadjfluxnear10 (mechanicaladjstrength)").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 01:09
S174	0	steel near10 zircaloy near10 (neutron adj flux) near10 (mechanical adj strength)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:10

S175	2	steel near10 zircaloy near10 (neutron adj flux)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:10
S176	193	zircaloy and steel and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:18
S177	44	zircaloy and steel and spacer and neutron near2 (cross adj section) and inner and outer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:19
S178	2	zircaloy near6 spacer and steel near6 spacer and neutron near2 (cross adj section) and inner and outer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:20
S179	2	zircaloy near6 spacer near6 steel and neutron near2 (cross adj section) and inner and outer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:24
S180	2	zircaloy near12 spacer near12 steel and neutron near2 (cross adj section) and inner and outer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:24
S181	9	zircaloy near12 spacer near12 inconel and inner and outer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:47

S182	2	*6542567".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 12:54
S183	1079	((376/434) or (376/444) or (376/462)).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/02 15:30
S184	6	S183 and grid near4 spring and (outside perimeter) near4 spring and (equiangular conformal elastic pressing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:32
S185	4	S183 and grid near4 spring and (outside perimeter) near4 spring and (equiangular conformal elastic pressing) and mixing near4 (blade vane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:33
S186	0	S183 and grid near4 spring.clm. and (outside perimeter) near4 spring.clm. and (equiangular conformal elastic pressing).clm. and mixing near4 (blade vane).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 15:35
S187	1	{US-20050105677-\$}.did.	US-PGPUB	OR	ON	2010/01/11 08:58
S188	1	{US-20050105677-\$}.did. and reduc\$4 near4 fretting	US-PGPUB	OR	ON	2010/01/11 08:59
S189	1	{US-20050105677-\$}.did. and grid adj spring	US-PGPUB	OR	ON	2010/01/11 09:18
S190	1	{US-20050105677-\$}.did. and guide adj vane near20 (guide adj tap)	US-PGPUB	OR	ON	2010/01/11 09:52

S191	1	(US-20050105677-\$).did. and downward near20 (guide adj tap)	US-PGPUB	OR	ON	2010/01/11 09:57
S192	1	(US-20050105677-\$).did. and (guide adj tap)	US-PGPUB	OR	ON	2010/01/11 09:57
S193	1	(US-20050105677-\$).did. and (guide adj tap) near20 lower	US-PGPUB	OR	ON	2010/01/11 10:00
S194	1	(US-20050105677-\$).did. and (guide adj tap) near20 reduc\$4 near20 interference	US-PGPUB	OR	ON	2010/01/11 10:03
S195	0	(US-20050105677-\$).did. and (spacer adj grid near20 coolant near20 cross adj flow)	US-PGPUB	OR	ON	2010/01/11 10:07
S196	1	(US-20050105677-\$).did. and (spacer adj grid near20 coolant near20 cross adj flow)	US-PGPUB	OR	ON	2010/01/11 10:07
S197	1	(US-20050105677-\$).did. and (sound soundness)	US-PGPUB	OR	ON	2010/01/11 10:54
S198	0	(US-20050105677-\$).did. and (sound soundness) near20 (spacer adj grid) near20 load	US-PGPUB	OR	ON	2010/01/11 10:55
S199	1	(US-20050105677-\$).did. and (sound soundness) near20 (spacer adj grid)	US-PGPUB	OR	ON	2010/01/11 10:55
S200	1	(US-20050105677-\$).did. and (sound soundness) near20 (spacer adj grid) and load	US-PGPUB	OR	ON	2010/01/11 10:55
S201	0	(US-20050105677-\$).did. and (vertical adj support adj part5) near20 (inner adj support adj part)	US-PGPUB	OR	ON	2010/01/11 11:07
S202	0	(US-20050105677-\$).did. and (vertical adj support adj part) near20 (inner adj support adj part)	US-PGPUB	OR	ON	2010/01/11 11:07
S203	1	(US-20050105677-\$).did. and (vertical adj support adj part)	US-PGPUB	OR	ON	2010/01/11 11:08
S204	0	(US-20050105677-\$).did. and (shape near20 geometry)	US-PGPUB	OR	ON	2010/01/11 11:11
S205	0	(US-20050105677-\$).did. and (shape and geometry)	US-PGPUB	OR	ON	2010/01/11 11:11
S206	1	(US-20050105677-\$).did. and guide adj tap near20 (bend bending bent)	US-PGPUB	OR	ON	2010/01/11 11:30
S207	0	(US-20050105677-\$).did. and guide adj vane near20 (point pointed)	US-PGPUB	OR	ON	2010/01/11 11:35

S208	1	(US-20050105677-\$).did. and (guide adj vane)	US-PGPUB	OR	ON	2010/01/11 11:35
S209	0	(US-20050105677-\$).did. and (guide adj vane) near20 (extend extending) near20 point	US-PGPUB	OR	ON	2010/01/11 11:39
S211	1	(US-20050105677-\$).did.	US-PGPUB	OR	ON	2010/01/11 15:27
S212	0	S210 and inner adj grid adj spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:27
S213	0	S210 and grid adj spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:28
S214	0	S210 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:28
S215	1	(US-20050105677-\$).did. and "50"	US-PGPUB	OR	ON	2010/01/11 15:29
S216	0	S211 and inner adj grid adj spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:30
S217	1	S211 and grid adj spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:30

S218	0	S211 and lateral adj support adj element	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:36
S219	0	S211 and support adj element	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:36
S220	0	S211 and lateral adj support	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:36
S221	0	S211 and lateral	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:40
S222	1	S211 and support	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:41
S223	1	S211 and spring adj strength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 15:55

S224	1	S211 and radius	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:10
S225	1	S211 and vertical adj support adj part	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:22
S226	1	S211 and vertical adj support adj part near20 (bent bending bend)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:22
S227	1	S211 and guide adj vanes same (bending bent) same taper\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:30
S228	1	S211 and uniform adj contact near20 equiangular	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:32
S229	0	S211 and point near20 (guide adj vanes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:36



S230	0	S211 and point near20 (extend extending extension)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 16:36
S231	1	(US-20050105677-\$).did.	US-PGPUB	OR	ON	2010/01/12 07:58
S232	1	S231 and (sound soundness)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/12 07:58
S233	1	S231 and (sound soundness) and load	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/12 08:02
S234	1	(US-20050105677-\$).did.	US-PGPUB	OR	ON	2010/01/16 10:18
S235	0	S234 and lateral adj support	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 10:19
S236	1	S234 and spring adj strength	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 10:41

S237	4	((("5303272") or ("20030012329"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 12:36
S238	2345	((376/434) or (376/438) or (376/439) or (376/441) or (376/442) or (376/443) or (376/444) or (376/462)).CCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/16 13:05
S239	45	S238 and (spacer OR grid) and fuel adj (rod element) and (web strip) near20 (inside interior inner central) and (web strip) near20 (exterior outside outer peripher\$4) and spring and corner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 13:07
S240	11	S238 and (spacer OR grid).clm. and fuel adj (rod element).clm. and (web strip) near20 (inside interior inner central).clm. and (web strip) near20 (exterior outside outer peripher\$4).clm. and spring.clm. and (edge corner).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 13:11
S241	11	(spacer OR grid).clm. and fuel adj (rod element).clm. and (web strip) near20 (inside interior inner central).clm. and (web strip) near20 (exterior outside outer peripher\$4).clm. and spring.clm. and (edge corner).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 13:15
S242	2	(spacer OR grid).clm. and fuel adj (rod element).clm. and (web strip) near20 (inside interior inner central).clm. and (web strip) near20 (exterior outside outer peripher\$4).clm. and spring.clm. and (edge corner).clm. and (conformal\$2 equiangular\$2 surface superficial\$2) near10 contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 13:16

S243	0	(spacer OR grid).clm. and fuel adj (rod element).clm. and (web strip) near20 (inside interior inner central).clm. and (web strip) near20 (exterior outside outer peripher\$4).clm. and spring.clm. and (edge corner).clm. and (conformal\$2 equiangular\$2 surface superficial\$2) near10 contact\$4 near10 (fuel adj (rod element)).clm.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 13:17
S244	0	(spacer OR grid).clm. and fuel adj (rod element).clm. and (web strip) near20 (inside interior inner central).clm. and (web strip) near20 (exterior outside outer peripher\$4).clm. and spring.clm. and (edge corner).clm. and (conformal\$2 equiangular\$2 surface superficial\$2).clm. and guide adj tap.clm. and guide adj vane.clm.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 13:18
S246	2136	(376/434,438-439,441-444,462).CCL.S.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/11 12:16
S247	1319	S246 and fuel adj assembly	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/11 12:20
S248	158	(US-20100098208-\$ or US-20100027734-\$ or US-20090052607-\$ or US-20080118019-\$ or US-20070242793-\$ or US-20070223646-\$ or US-20070030943-\$ or US-20060227925-\$ or US-20060056574-\$ or US-20050226358-\$ or US-20050105677-\$ or US-20050105676-\$ or US-20040196954-\$ or US-20040196953-\$ or US-20040086072-\$ or US-20040005025-\$ or US-20030215049-\$ or US-20030215048-\$ or US-20030138073-\$ or US-20030012329-\$ or US-20020136349-\$). did. or (US-7623612-\$ or US-7548602-\$ or US-7421056-\$ or US-7149273-\$ or US-6888911-\$ or US-6845138-\$ or US-6819733-\$ or US-6807246-\$ or US-6744843-\$ or US-6744842-\$ or US-6735288-\$ or US-6728329-\$ or US-6721384-\$ or US-6714619-\$ or US-6707872-\$ or US-6650723-\$ or US-6621885-\$ or US-6608881-\$ or US-6606369-\$ or US-6542567-\$ or US-6526116-\$ or US-6522710-\$ or US-6519309-\$ or US-6473482-\$ or US-6421407-\$ or US-6415011-\$). did. or (US-6400788-\$ or US-6393087-\$ or US-6332012-\$ or US-6320925-\$ or US-6310932-\$ or US-6285729-\$ or US-6278759-\$ or US-6272197-\$ or US-6236702-\$ or US-6167105-\$ or US-6144716-\$	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/05/12 10:05

		or US-6130927-\$ or US-6088420-\$ or US-5966419-\$ or US-5875224-\$ or US-5875223-\$ or US-5859887-\$ or US-5815545-\$ or US-5666389-\$ or US-5638416-\$ or US-5625657-\$ or US-5577081-\$ or US-5493590-\$ or US-5490192-\$ or US-5488644-\$ or US-5444748-\$ or US-5440599-\$).did. or (US-5434898-\$ or US-5420902-\$ or US-5371769-\$ or US-5367549-\$ or US-5363422-\$ or US-5361289-\$ or US-5331679-\$ or US-5331678-\$ or US-5309491-\$ or US-5303276-\$ or US-5299245-\$ or US-5289513-\$ or US-5278883-\$ or US-5271054-\$ or US-5271049-\$ or US-5265140-\$ or US-5259009-\$ or US-5243635-\$ or US-5188798-\$ or US-5188797-\$ or US-5183629-\$ or US-5173252-\$ or US-5147600-\$ or US-5139736-\$ or US-5078961-\$ or US-5035853-\$ or US-5024810-\$).did. or (US-5024807-\$ or US-4923669-\$ or US-4918710-\$ or US-4895698-\$ or US-4885127-\$ or US-4879090-\$ or US-4844861-\$ or US-4844860-\$ or US-4803043-\$ or US-4756878-\$ or US-4744942-\$ or US-4740350-\$ or US-4728489-\$ or US-4726926-\$ or US-4714585-\$ or US-4708845-\$ or US-4702881-\$ or US-4692302-\$ or US-4683115-\$ or US-4666663-\$ or US-4645643-\$ or US-4622204-\$ or US-4594216-\$ or US-4578240-\$ or US-4576786-\$ or US-4556531-\$ or US-4489038-\$).did. or (US-4388269-\$ or US-4268356-\$ or US-4239597-\$ or US-4229259-\$ or US-4224107-\$ or US-4181571-\$ or US-4175003-\$ or US-4163690-\$ or US-4137125-\$ or US-4135972-\$ or US-4111348-\$ or US-4061536-\$ or US-4058436-\$ or US-3984284-\$ or US-3920515-\$ or US-3890196-\$ or US-3886038-\$ or US-3833471-\$ or US-3801452-\$ or US-3791466-\$ or US-3787286-\$ or US-3772148-\$ or US-3664924-\$).did. or (EP-372214-\$ or EP-332941-\$ or EP-80853-\$ or GB-2068224-\$ or GB-2060981-\$).did. or (JP-05264766-\$ or JP-05172974-\$).did.				
S249	1	(US-20050105677-\$).did.	US-PGPUB	OR	ON	2010/05/12 10:10
S250	0	(US-20050105677-\$).did. and bent near10 inner adj rod adj support	US-PGPUB	OR	ON	2010/05/12 10:10
S251	0	(US-20050105677-\$).did. and "at least"	US-PGPUB	OR	ON	2010/05/12 10:11
S252	1	(US-20050105677-\$).did. and (bend bending bent)	US-PGPUB	OR	ON	2010/05/12 10:12

S253	4	((("5303272") or ("20030012329"))).PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; BM_TDB	OR	OFF	2010/05/12 10:33
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## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	(spacer adj grid).dm. and (inner interior inside core central) near4 (strip stripe plate).dm. and ((guide tube tubular) near4 cells).dm. and (fuel adj (rod element pin) near4 cells).dm. and (mixing mix) near4 (blade vane).dm. and (intermediate side) near4 (strip stripe plate).dm. and (corner near4 (strip stripe plate)).dm. and (perimeter near4 (strips stripe plate)).dm. and (grid near1 spring).dm. and (opening aperture hole) near20 (stud support).dm. and (bottom "lower" "lowest") near4 (border edge rim).dm. and (top "upper" "uppermost") near4 (border edge rim).dm. and (fuel adj (rod element pin) near4 (stud support)).dm. and (bending bend bent).dm. and (conform conformal conformally equiangular) near4 (surface contact interface).dm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/05/12 12:20
S245	0	(spacer OR grid).dm. and fuel adj (rod element).dm. and (web strip) near20 (inside interior inner central).dm. and (web strip) near20 (exterior outside outer peripher\$4).dm. and spring.dcm. and (edge corner).dm. and (conformal\$2 equiangular\$2 surface superficial\$2).dm. and guide adj tap.dcm. and guide adj vane.dcm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/01/16 13:19

5/ 12/ 2010 3:42:16 PM

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